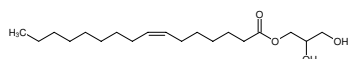


**7.9 MAG**

1-(7Z-hexadecenoyl)-rac-glycerol

Cat. No.	Amount
X-LCP-107	100 mg



Structural formula of 7.9 MAG

For general laboratory use.**Shipping:** shipped on dry ice**Storage Conditions:** store at -20 °C**Shelf Life:** 6 months**Molecular Formula:** C₁₉H₃₆O₄**Molecular Weight:** 328.49**CAS#:** 749266-29-3**Purity:** > 99 %**Description:**

Host Lipid for protein crystallization in the Lipidic Cubic Phase (LCP)^[1,2], stable at low temperatures (6°C)^[3], stabilizing lipid in LCP-SFX^[4-6]. Once opened, use within 6 months. Purge the vial with nitrogen or argon after usage and store at -20°C.

Related Products:

JBScreen LCP, #CS-340, #CS-213L
 Monoolein, 9.9 MAG, #X-LCP-101
 Monopalmitolein, 9.7 MAG, #X-LCP-102
 Monovaccenin, 11.7 MAG, #X-LCP-103
 Monoecosenoin, 11.9 MAG, #X-LCP-104
 7.7 MAG, #X-LCP-105
 7.8 MAG, #X-LCP-106

Selected References:

- [1] Caffrey (2015) A comprehensive review of the lipid cubic phase or *in meso* method for crystallizing membrane and soluble proteins and complexes. *Acta Cryst F* **71**:3.
- [2] Li *et al.* (2015) Ternary structure reveals mechanism of a membrane diacylglycerol kinase. *Nat. Commun.* **6**:10140.
- [3] Misquitta *et al.* (2004) Rational design of lipid for membrane protein crystallization. *Journal of Structural Biology* **148**:169.
- [4] Nogly *et al.* (2016) Lipidic cubic phase injector is a viable crystal delivery system for time-resolved serial crystallography. *Nat. Commun.* **7**:12314.
- [5] Zhu *et al.* (2016) Serial Femtosecond Crystallography of Membrane Proteins. *Adv. Exp. Med. Biol.* **922**:151.
- [6] Batyuk *et al.* (2016) Native phasing of x-ray free-electron laser data for a G protein-coupled receptor. *Sci. Adv.* **2**:e1600292.